

m. Rao

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1652

DATE: 07/19/2000  
TIME: 15:42:29

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/214,679

Input Set : A:\sequences14.txt.txt  
Output Set: N:\CRF3\07192000\I214679.raw

ENTERED

4 <110> APPLICANT: Brieden, Walter  
5 Naughton, Andrew  
6 Robins, Karen  
7 Shaw, Nicholas  
8 Tinschert, Andreas  
9 Zimmermann, Thomas  
11 <120> TITLE OF INVENTION: METHOD OF PREPARING (S)-OR (R)  
12 -3,3,3-TRIFLUORO-2-HYDROXY-2-METHYLPROPIONIC ACID  
15 <130> FILE REFERENCE: 32213  
17 <140> CURRENT APPLICATION NUMBER: 09/214,679  
18 <141> CURRENT FILING DATE: 1999-12-30  
20 <160> NUMBER OF SEQ ID NOS: 14  
22 <170> SOFTWARE: FastSEQ for Windows Version 3.0  
24 <210> SEQ ID NO: 1  
25 <211> LENGTH: 1442  
26 <212> TYPE: DNA  
27 <213> ORGANISM: Klebsiella oxytoca  
29 <400> SEQUENCE: 1  
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31 ccgcacagcg ctgtcggtta atggataaag gcctgggtt agaaacgcgt  
32 agcttcctga tgatctttt atgcgtcgtc atctggctt gtaactaaac  
33 acgtcgagaa taacatatga aatggtttga agaatccatt atggccaaat  
34 tgccggcgtaaaccgttaa cgcgtatccatc gacggaaagaa atgcggaaa  
35 caccatggc cttatccca caccggctt gaccatcgaa cccggtgacc  
36 cgacactcgatgtttt aagggtgtat caattcgaa caggatattc  
37 gctaaaaatgc cccttctca accacaaaaa cggaccgtat atggtaatgt  
38 aggtatgtt ctcgtgtt atatcgaaatc catgttgcgc cgcggcgat  
39 catcgccgc atgtatccgc atttggcggg atgcggggg accgactctgaa  
40 caatgatccgc tggccagaaa aggtgcgtat gattaaactc gacgtgaaa  
41 gagcaaacgc catacgcttc cttataaacc ccattatggc accttgacgc  
42 aatgtactatcaatccatc tgacgcaga caatcaccgc gggatattgg  
43 tataggacca gggagtattt cctatctggc ggtacgtgc cttggaggcc  
44 ttggatgtcc catgttgcgc aggggtatgg tgatgttgc gggacccgaa  
45 ctaatcacc accatcaaag tgcatttgat caagaactgg cagcttct  
46 ggagaatgcc gaaaatattt tgatgtatgg cagtgcacgt ccgctggagg  
47 aatgtactatcgcgacttaa ttactgtgtt ggttggatggatgg  
48 tgcctatcatgttgc aatgcggcaat gatgcgtgc ggcacatgg  
49 atacaccgtt gggcgatgc tgaacaaaaa cctgttagtt tagtaggaat  
50 tgaacattac cccgtatgtatgc atcgggttgc tgatgttgc gggacccgaa  
51 cagcttaaagc aggtgcataatggggccatgc acacccatca atattgggtt  
52 ttacggcgatgc tggccgc acaagatgtt tcaatggc gggagacac  
53 gggaaatattatcaatgg cggcatcaac ggcagaccac tcaatgcatt  
54 cc  
55 <210> SEQ ID NO: 2  
56 <211> LENGTH: 328  
58 <212> TYPE: PRT  
59 <213> ORGANISM: Klebsiella oxytoca

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61 <400> SEQUENCE: 2  
 62 Met Lys Trp Leu Glu Glu Ser Ile Met Ala Lys Arg Gly Val Gly Ala  
 63 1 5 10 15  
 64 Gly Arg Lys Pro Val Thr His His Leu Thr Glu Glu Met Gln Lys Glu  
 65 20 25 30  
 66 Phe His Tyr Thr Ile Gly Pro Tyr Ser Thr Pro Val Leu Thr Ile Glu  
 67 35 40 45  
 68 Pro Gly Asp Arg Ile Ile Val Asp Thr Arg Asp Ala Phe Glu Gly Ala  
 69 50 55 60  
 70 Ile Asn Ser Glu Gln Asp Ile Pro Ser Gln Leu Leu Lys Met Pro Phe  
 71 65 70 75 80  
 72 Leu Asn Pro Gln Asn Gly Pro Ile Met Val Asn Gly Ala Glu Lys Gly  
 73 85 90 95  
 74 Asp Val Leu Ala Val Tyr Ile Glu Ser Met Leu Pro Arg Gly Val Asp  
 75 100 105 110  
 76 Pro Tyr Gly Ile Cys Ala Met Ile Pro His Phe Gly Gly Leu Thr Gly  
 77 115 120 125  
 78 Thr Asp Leu Thr Ala Met Leu Asn Asp Pro Leu Pro Glu Lys Val Arg  
 79 130 135 140  
 80 Met Ile Lys Leu Asp Ser Glu Lys Val Tyr Trp Ser Lys Arg His Thr  
 81 145 150 155 160  
 82 Leu Pro Tyr Lys Pro His Ile Gly Thr Leu Ser Val Ser Pro Glu Ile  
 83 165 170 175  
 84 Asp Ser Ile Asn Ser Leu Thr Pro Asp Asn His Gly Gly Asn Met Asp  
 85 180 185 190  
 86 Val Pro Asp Ile Gly Pro Gly Ser Ile Thr Tyr Pro Leu Val Arg Ala  
 87 195 200 205  
 88 Pro Gly Gly Arg Leu Phe Ile Gly Asp Ala His Ala Cys Gln Gly Asp  
 89 210 215 220  
 90 Gly Glu Ile Cys Gly Thr Ala Val Glu Phe Ala Ser Ile Thr Thr Ile  
 91 225 230 235 240  
 92 Lys Val Asp Leu Ile Lys Asn Trp Gln Leu Ser Trp Pro Arg Met Glu  
 93 245 250 255  
 94 Asn Ala Glu Asn Ile Met Ser Ile Gly Ser Ala Arg Pro Leu Glu Asp  
 95 260 265 270  
 96 Ala Thr Arg Ile Ala Tyr Arg Asp Leu Ile Tyr Trp Leu Val Glu Asp  
 97 275 280 285  
 98 Phe Gly Phe Glu Gln Trp Asp Ala Tyr Met Leu Leu Ser Gln Cys Gly  
 99 290 295 300  
 100 Lys Val Arg Leu Gly Asn Met Val Asp Pro Lys Tyr Thr Val Gly Ala  
 101 305 310 315 320  
 102 Met Leu Asn Lys Asn Leu Leu Val  
 103 325  
 105 <210> SEQ ID NO: 3  
 106 <211> LENGTH: 20  
 107 <212> TYPE: PRT  
 108 <213> ORGANISM: Klebsiella oxytoca  
 110 <400> SEQUENCE: 3  
 111 Met Lys Trp Leu Glu Glu Ser Ile Met Ala Lys Arg Gly Val Gly Ala

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113 Ser Arg Lys Pro  
114 20  
116 <210> SEQ ID NO: 4  
117 <211> LENGTH: 5  
118 <212> TYPE: PRT  
119 <213> ORGANISM: Klebsiella oxytoca  
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122 Val Tyr Trp Ser Lys  
123 1 5  
125 <210> SEQ ID NO: 5  
126 <211> LENGTH: 13  
127 <212> TYPE: PRT  
128 <213> ORGANISM: Klebsiella oxytoca  
130 <400> SEQUENCE: 5  
131 Lys Pro Val Thr His His Leu Thr Glu Glu Met Gln Lys  
132 1 5 10  
134 <210> SEQ ID NO: 6  
135 <211> LENGTH: 9  
136 <212> TYPE: PRT  
137 <213> ORGANISM: Klebsiella oxytoca  
139 <400> SEQUENCE: 6  
140 Tyr Thr Val Gly Ala Met Leu Asn Lys  
141 1 5  
143 <210> SEQ ID NO: 7  
144 <211> LENGTH: 14  
145 <212> TYPE: PRT  
146 <213> ORGANISM: Klebsiella oxytoca  
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153 <211> LENGTH: 9  
154 <212> TYPE: PRT  
155 <213> ORGANISM: Klebsiella oxytoca  
157 <400> SEQUENCE: 8  
158 Trp Leu Glu Glu Ser Ile Met Ala Lys  
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161 <210> SEQ ID NO: 9  
162 <211> LENGTH: 18  
163 <212> TYPE: PRT  
164 <213> ORGANISM: Klebsiella oxytoca  
166 <400> SEQUENCE: 9  
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168 1 5 10 15  
169 Glu Lys  
172 <210> SEQ ID NO: 10  
173 <211> LENGTH: 19  
174 <212> TYPE: PRT

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175 <213> ORGANISM: Klebsiella oxytoca  
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179 1 5 10 15  
180 Leu Leu Lys  
183 <210> SEQ ID NO: 11  
184 <211> LENGTH: 21  
185 <212> TYPE: PRT  
186 <213> ORGANISM: Klebsiella oxytoca  
188 <400> SEQUENCE: 11  
189 Glu Phe His Tyr Thr Ile Gly Pro Tyr Ser Thr Pro Val Leu Thr Ile  
190 1 5 10 15  
191 Glu Pro Gly Asp Arg  
192 20  
194 <210> SEQ ID NO: 12  
195 <211> LENGTH: 23  
196 <212> TYPE: PRT  
197 <213> ORGANISM: Klebsiella oxytoca  
199 <400> SEQUENCE: 12  
200 Leu Phe Ile Gly Asp Ala His Ala Glu Gln Gly Asp Gly Glu Ile Glu  
201 1 5 10 15  
202 Gly Thr Ala Val Glu Phe Ala  
203 20  
205 <210> SEQ ID NO: 13  
206 <211> LENGTH: 14  
207 <212> TYPE: PRT  
208 <213> ORGANISM: Klebsiella oxytoca  
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211 Gly Asp Val Leu Ala Val Tyr Ile Glu Ser Met Leu Pro Arg  
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214 <210> SEQ ID NO: 14  
215 <211> LENGTH: 33  
216 <212> TYPE: PRT  
217 <213> ORGANISM: Klebsiella oxytoca  
219 <400> SEQUENCE: 14  
220 Gly Val Asp Pro Tyr Gly Ile Glu Ala Met Ile Pro His Phe Gly Gly  
221 1 5 10 15  
222 Leu Thr Gly Thr Asp Leu Thr Ala Met Leu Asn Asp Gln Leu Gln Pro  
223 20 25 30  
224 Lys

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